

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03266				SHEET 1 OF 2	
	DWG NO. 647.9000	REV: N/C	PREPARED BY A. QUAN	DATE: 11/15/11	EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC.	
	DWG TITLE: SHEETMETAL					
APPROVED BY: ENGR <i>[Signature]</i>		MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER AND STOCK		
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: REVISED 647.9014 MATERIAL, REVISED DIMENSIONS OF P/N 647.9012				

**SHEET 1, NOTES:**

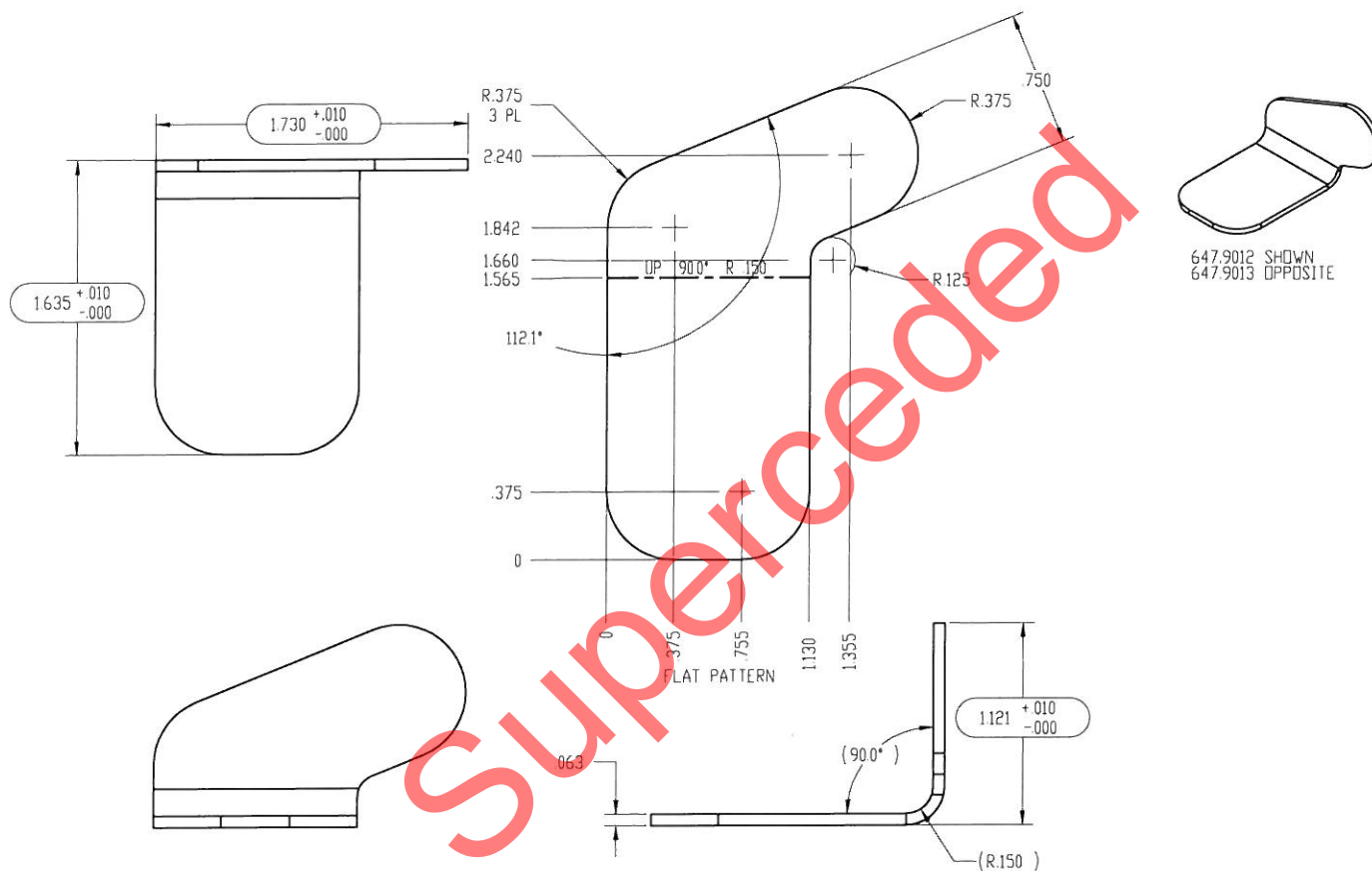
NOTES: UNLESS OTHERWISE SPECIFIED

- 1 MATERIAL: ALUMINUM 2024-T3 PER AMS-QQ-A-250/4
- 2 FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III, CLASS 2, COLOR BLACK;  
PRETREAT PR-148 ADHESION PROMOTER, PRIME IAW MIL-P-23377J, TYPE I, CLASS N
- 3 DEBURR AND BREAK ALL SHARP EDGES
- 4 IDENTIFY IAW MPP-120. LASER ETCH P/N AND REVISION 12PT. CENTURY GOTHIC.
- 5 ALL DIMENSIONS SHOWN PRIOR TO FINISH.
- 6 PART DIMENSIONS CONTROLLED BY CAD MODEL; FILE NAME: 647.9016 DOUBLER.SLDPRT-LAST MODIFIED 06-29-10
- 7 INSPECTION DIMENSIONS SHOWN WITH FINISH APPROX. 3-5 MIL MAX PER FACE.
- 8 MATERIAL: 304SS IAW AMS 5643
- 9 FINISH: PRIME IAW MIL-P-23377J, TYPE I, CLASS N

IS

5	R	647.9014		STRUT BRACKET	8	9
F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:				<input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUC <input type="checkbox"/> ICA <input checked="" type="checkbox"/> BOM	CHANGE CATEGORY <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	DER REVIEW REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

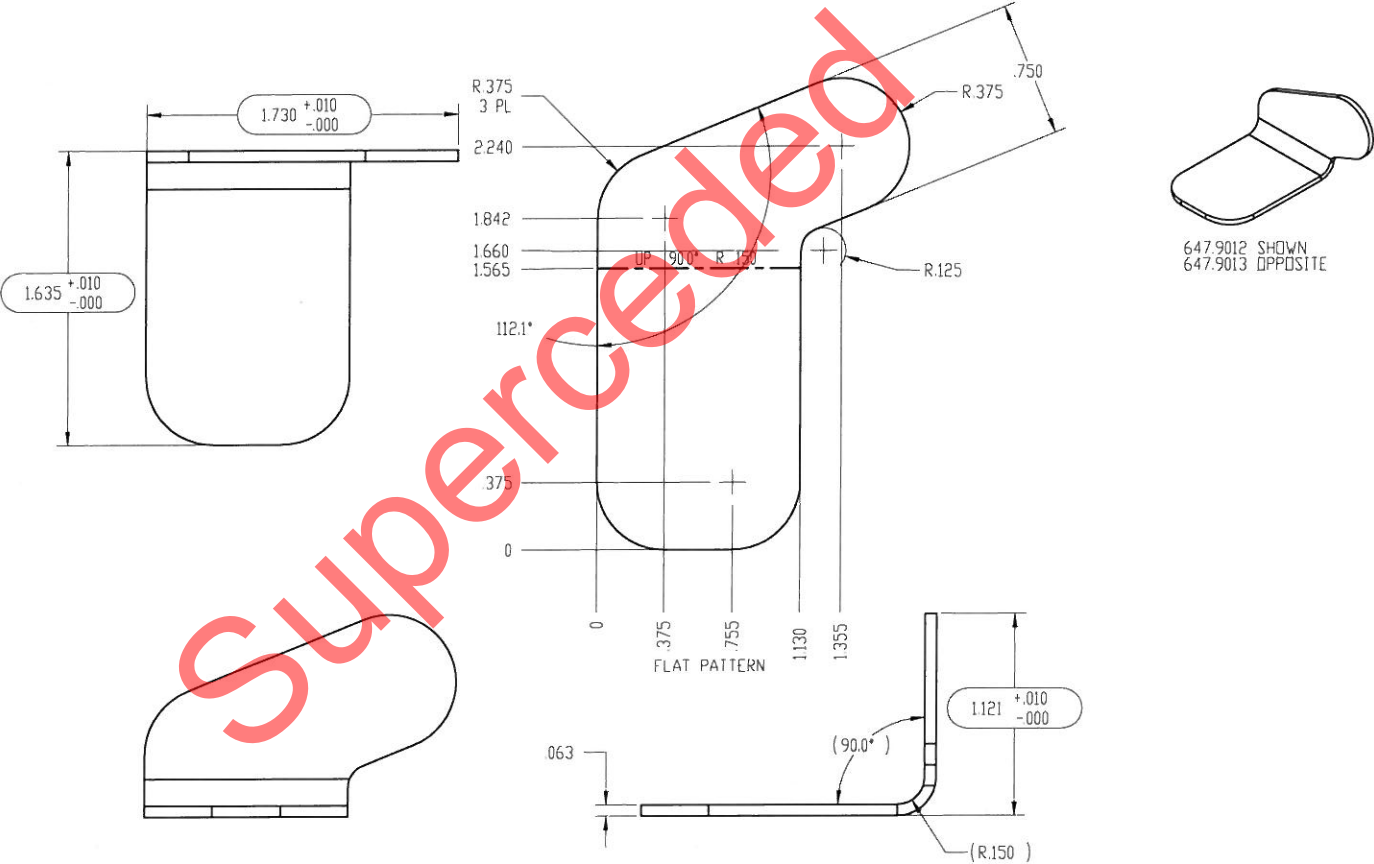
**SHEET 3, IS:**



F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
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<b>APICAL</b> INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03213				SHEET 1 OF 1	
	DWG NO. 647.9000	REV: N/C	PREPARED BY A. QUAN	DATE: 11/09/11	EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC.	
	DWG TITLE: SHEETMETAL					
APPROVED BY: ENGR <i>[Signature]</i>		MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER AND STOCK		
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: REVISED 647.9013 DIMENSIONS				

**SHEET 3, IS:**



F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:				<input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUC <input type="checkbox"/> ICA <input type="checkbox"/> BOM	CHANGE CATEGORY <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	DER REVIEW REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

NOTES: UNLESS OTHERWISE SPECIFIED

- 
- 647.9001
- 11 2 PL
- 8
- 12 4 PL

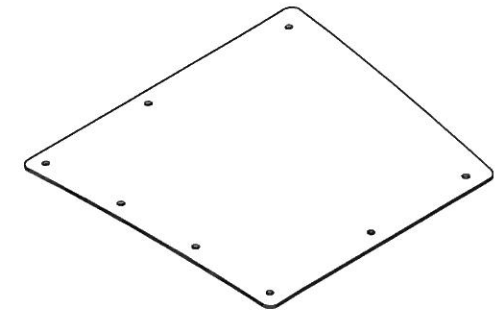
03213, 03214

	4	12	601.2277	RIVET	CCR264SS-3-02	
	2	11	601.1900	NUTPLATE	MS21059-3	
		10	647.9019	HINGE	1	2
		9	647.9018	DOUBLER	1	2
	1	8	647.9017	DOUBLER	1	2
		7	647.9016	DOUBLER	1	2 6
		6	647.9015	DOUBLER	1	2
		5	647.9014	STRUT BRACKET	1	2
		4	647.9013	FWD CLIP	1	2
		3	647.9012	FWD CLIP	1	2
		2	647.9011	DOUBLER	1	2
		1	647.9010	DOUBLER	1	2
			647.9001	DOUBLER ASSY	1	2
	.9001	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
QTY		PARTS LIST				
NEXT ASSY (S)		APICAL INDUSTRIES				
647.8900		2608 TEMPLE HEIGHTS DR.				
647.9400		OCEANSIDE, CA. 92056-3512 (760)724-5300				
		SHEETMETAL				
		SIZE B CAGE CODE DWG. NO. 647.9000 REV N/C				
		SCALE NONE SHEET 1 OF 9				



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



647.9010 SHOWN  
647.9011 OPPOSITE

R.250 THRU  
4 PL

8.119  
7.715  
6.802  
6.480

DOWN 6.7° R 64.945

7.010<sup>+0.010</sup>  
-0.000

.400  
.250  
0  
Ø.160  
8 PL

0 .250 .385 .580 2.670 3.817 4.955 7.233 7.384 7.633

.063

FLAT PATTERN

(R64.945)

7.625<sup>+0.010</sup>  
-0.000

ORIGINAL DATE (MO-DA-YR) 04-13-10		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300			
DRAWN BY R. ROSANO	CHECKER P. BRAVO				
DRAWING APPROVAL P. BRAVO 06-30-10					
CONTRACT No.		SHEETMETAL			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.9000	REV. N/C
		SCALE NONE		SHEET 2 OF 9	



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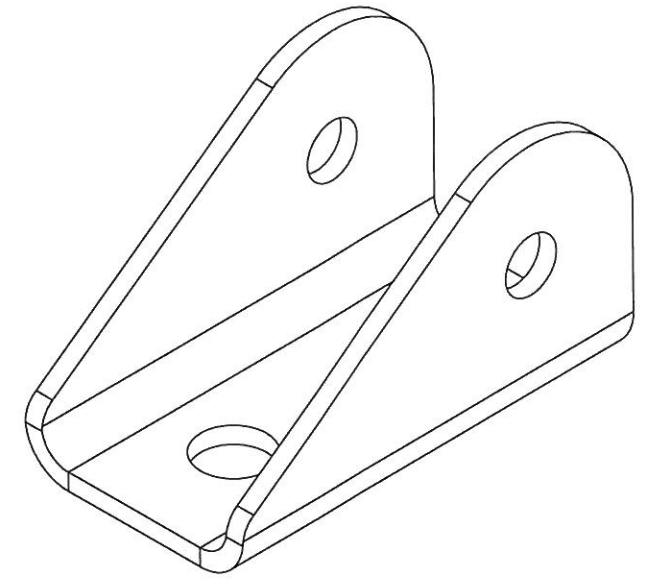
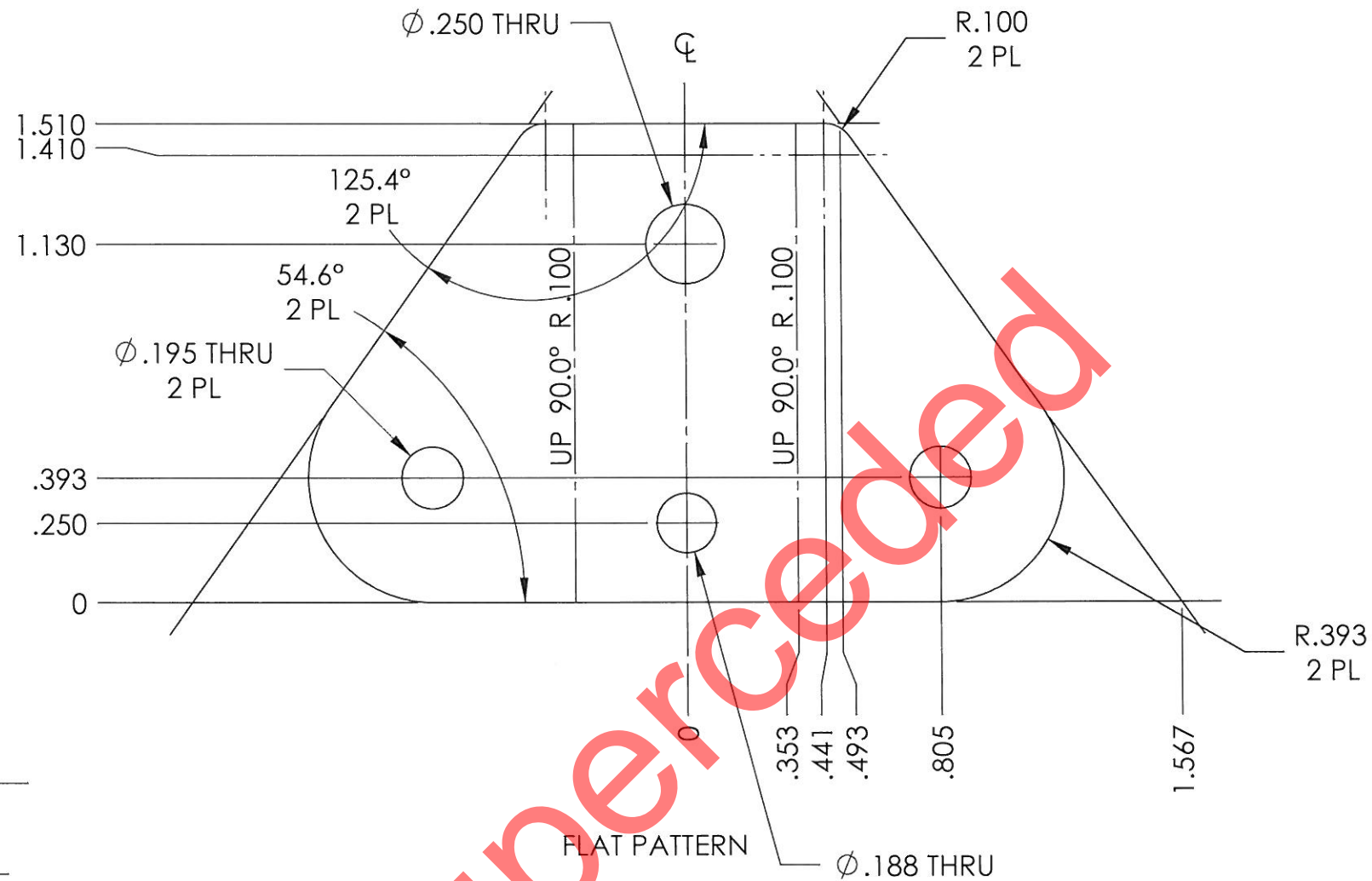
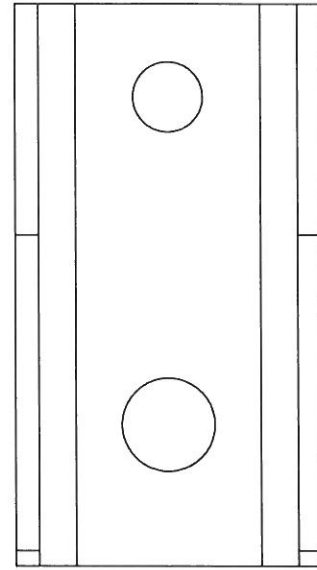
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

A

B

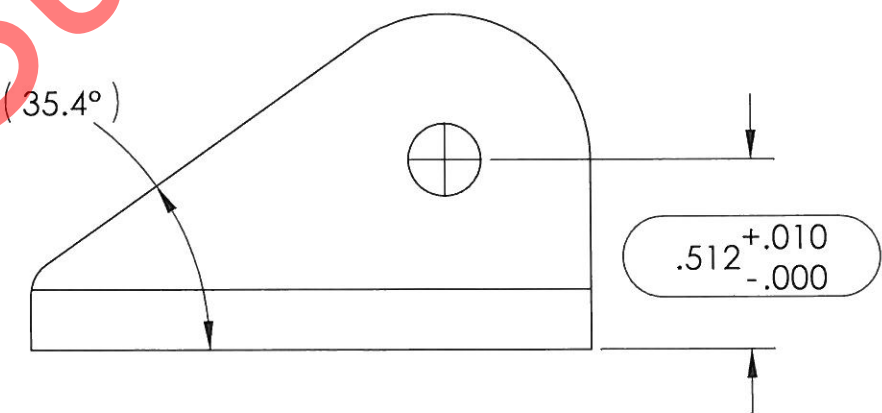
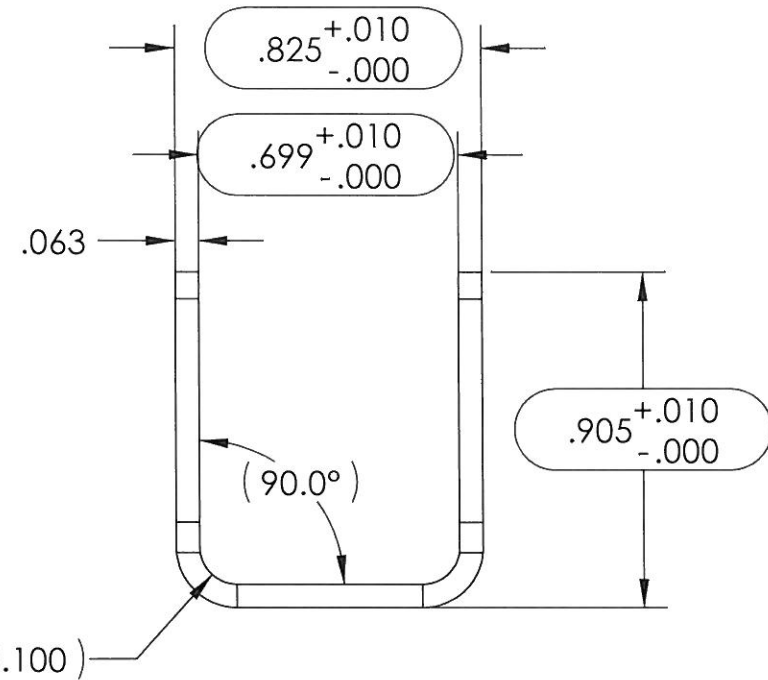
C

D



647.9014

R.393  
2 PL



ORIGINAL DATE (MO-DA-YR) 04-13-10		APICAL INDUSTRIES	
DRAWN BY R. ROSANO	CHECKER P. BRAVO	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO 04-30-10		SHEETMETAL	
CONTRACT No.		SIZE B	REV. N/C
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		CAGE CODE 07MZ6	DWG. NO. 647.9000
		SCALE NONE	SHEET 4 OF 9

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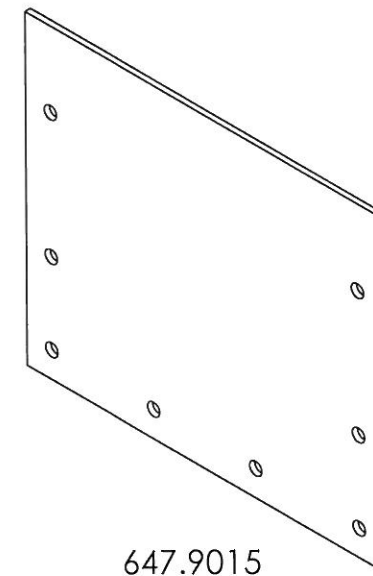
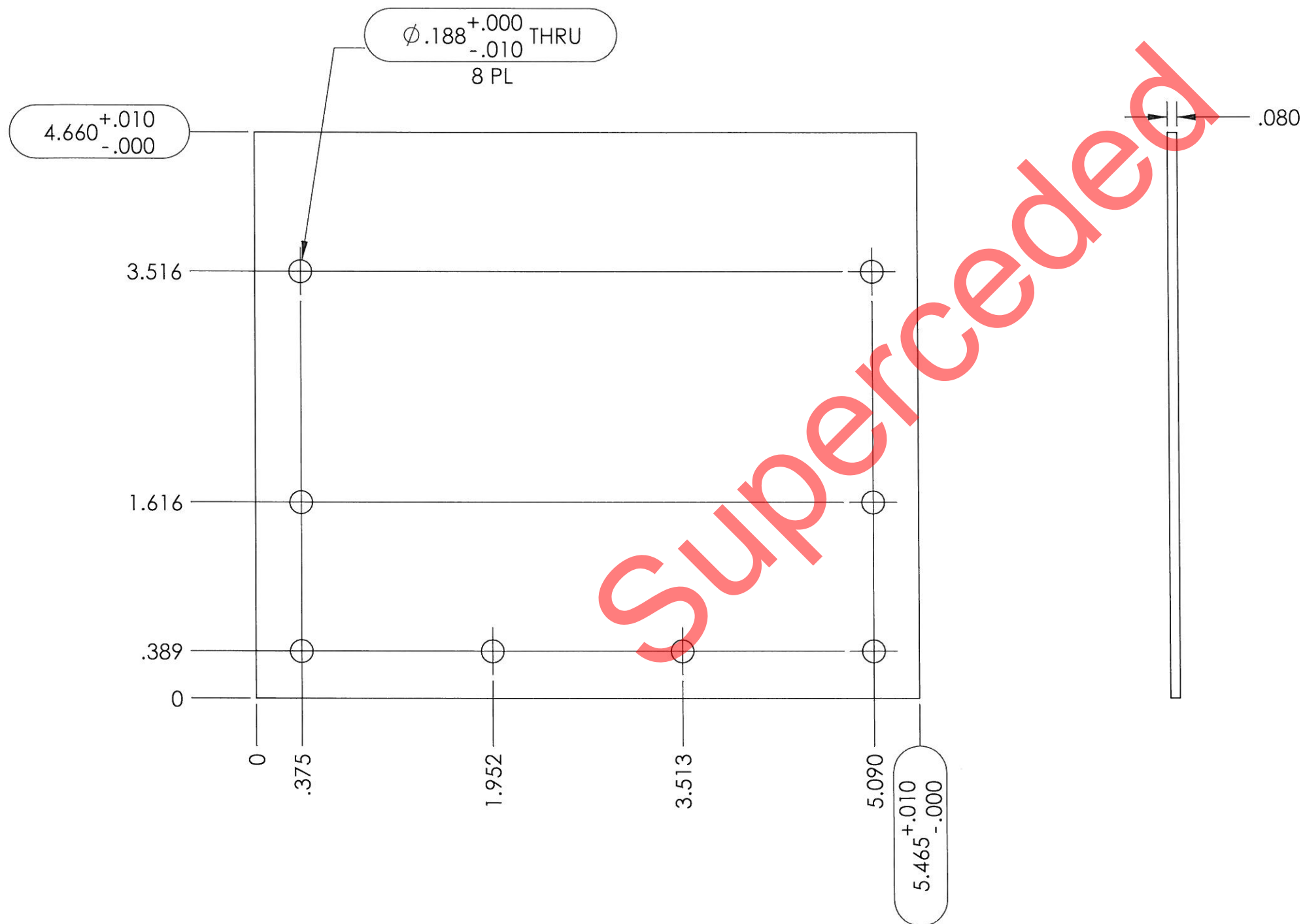
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

A

B

C

D



ORIGINAL DATE (MO-DA-YR) 04-13-10		APICAL INDUSTRIES	
DRAWN BY R. ROSANO	CHECKER P. BRAVO	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO 06-30-10		SHEETMETAL	
CONTRACT No.		SIZE B	REV. N/C
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		CAGE CODE 07MZ6	DWG. NO. 647.9000
		SCALE NONE	SHEET 5 OF 9



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

647.9016

6

16.800<sup>+.010</sup>  
-.000

1.247<sup>+.010</sup>  
-.000

2.365<sup>+.010</sup>  
-.000

17.017

.080

FLAT PATTERN

ORIGINAL DATE  
(MO-DA-YR) 04-13-10  
DRAWN BY  
R. ROSANO  
CHECKER  
P. BRAVO  
DRAWING APPROVAL  
P. BRAVO  
04-30-10  
CONTRACT NO.

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ARE:  
2 PLACE DECIMALS ±.01  
3 PLACE DECIMALS ±.005  
ANGLES ±.5°

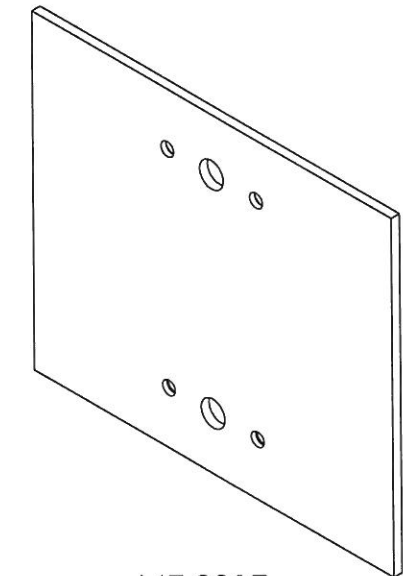
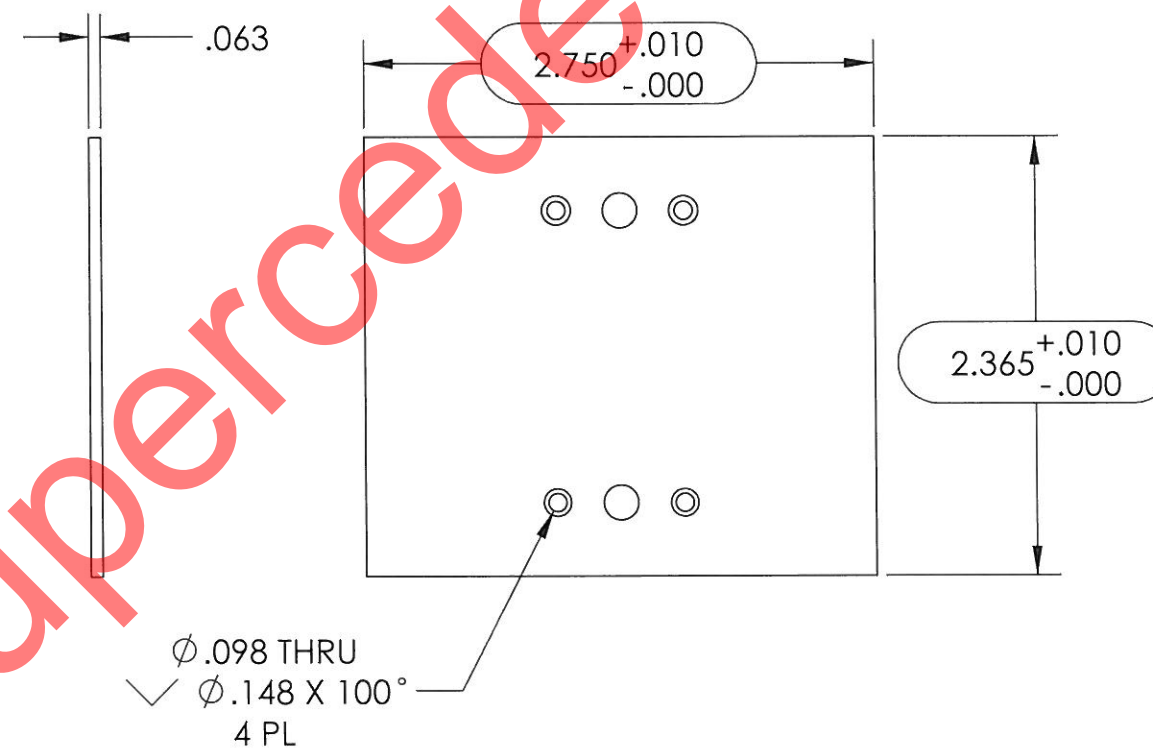
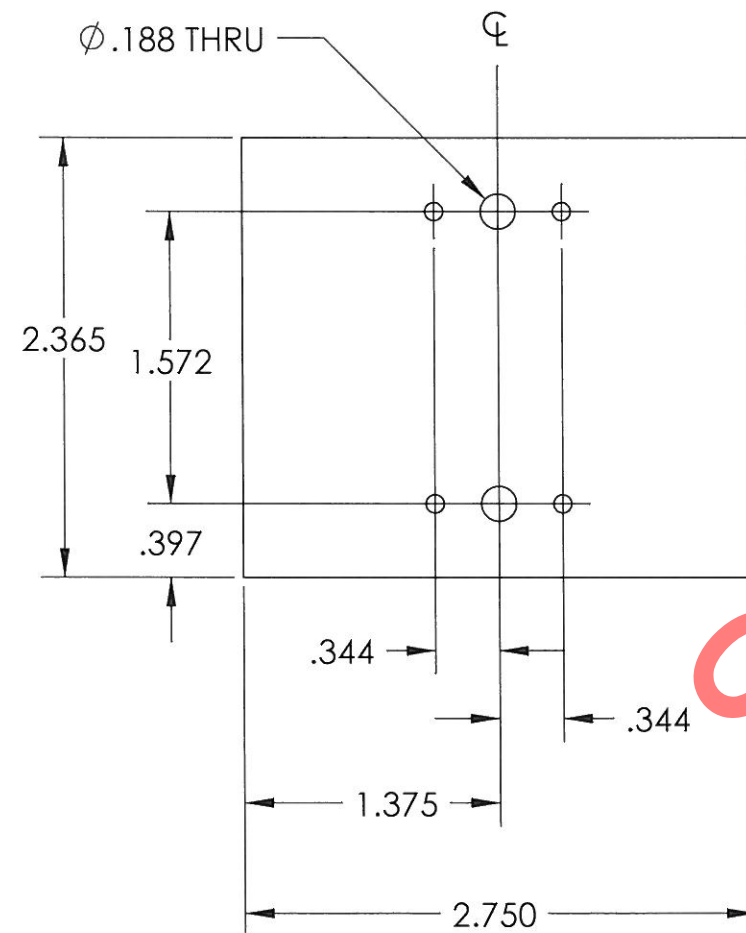
APICAL INDUSTRIES  
2608 TEMPLE HEIGHTS DR.  
OCEANSIDE, CA. 92056-3512 (760)724-5300

SHEETMETAL

SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.9000	REV. N/C
SCALE NONE			SHEET 6 OF 9

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



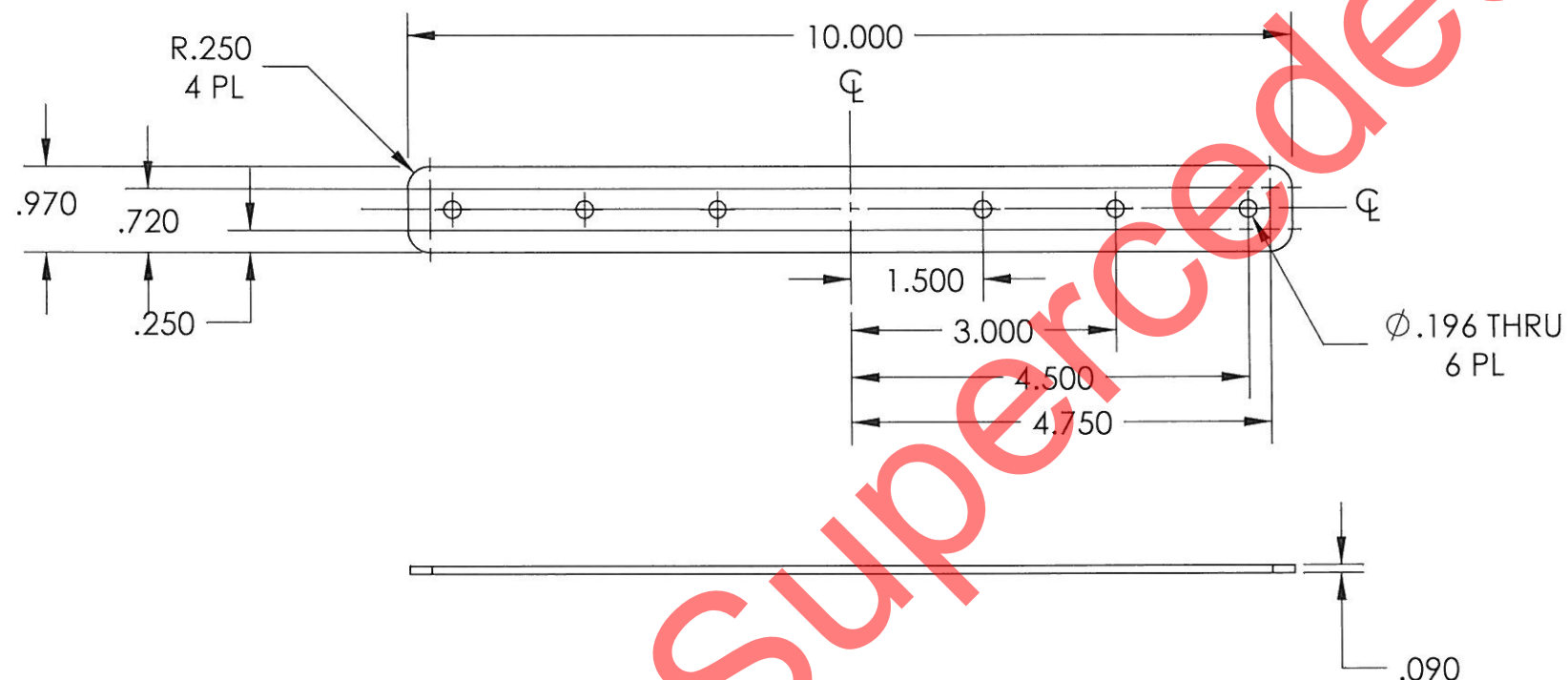
ORIGINAL DATE (MO-DA-YR) 04-13-10		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWN BY R. ROSANO	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 06-30-10		SHEETMETAL	
CONTRACT No.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS $\pm .01$ 3 PLACE DECIMALS $\pm .005$ ANGLES $\pm .5^\circ$		SIZE B	REV. N/C
CAGE CODE 07MZ6		DWG. NO. 647.9000	
SCALE NONE		SHEET 7 OF 9	

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

PR2

647.9018

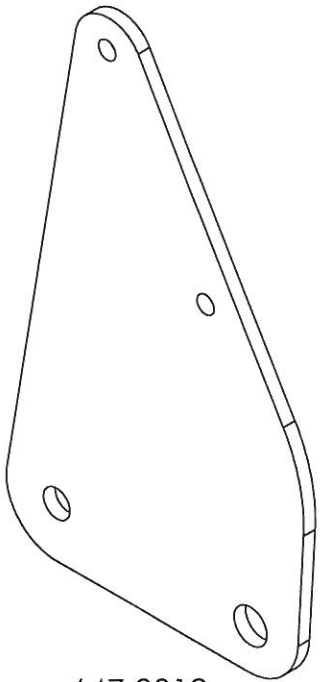
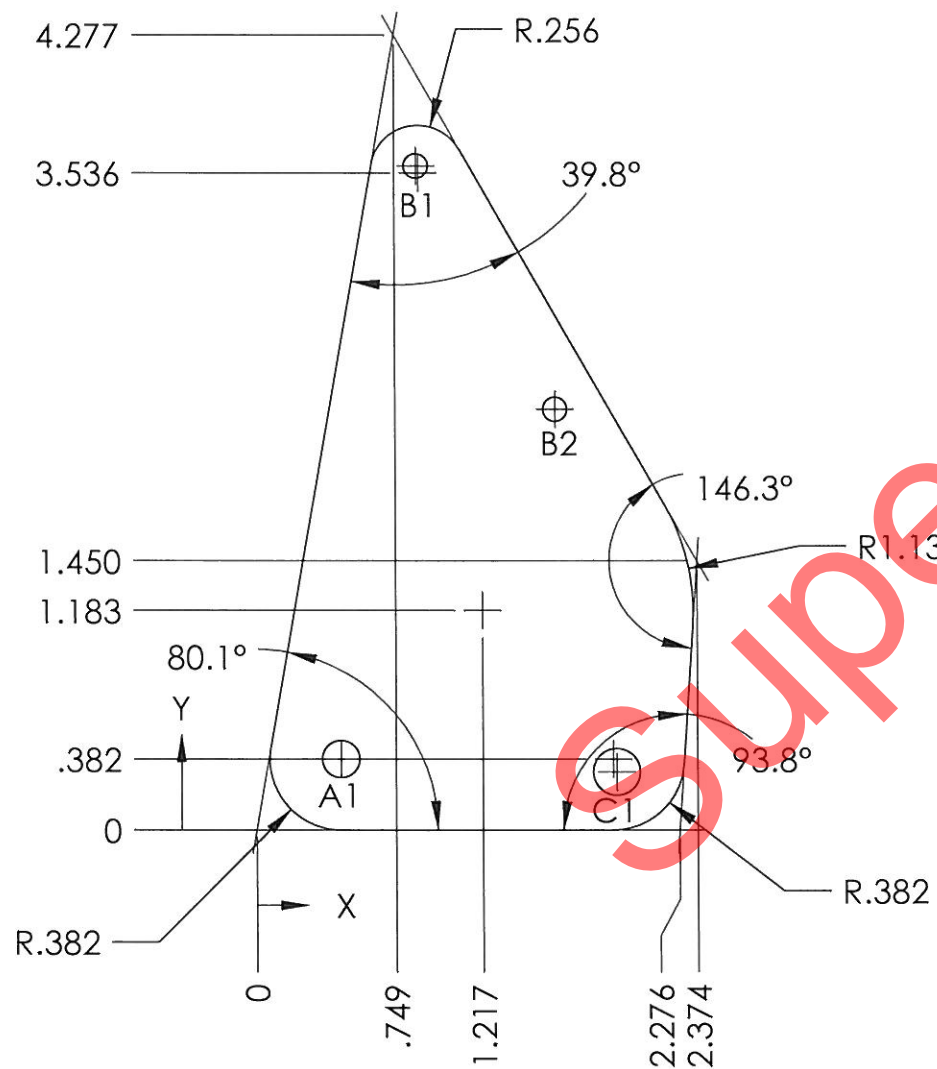


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DRAWN BY R. ROSANO	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 06-30-10		SHEETMETAL	
CONTRACT No.		SIZE B	REV. N/C
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS $\pm .01$ 3 PLACE DECIMALS $\pm .005$ ANGLES $\pm .5^\circ$		CAGE CODE 07MZ6	DWG. NO. 647.9000
		SCALE NONE	SHEET 8 OF 9

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

PR2



647.9019

TAG	X LOC	Y LOC	SIZE
A1	.455	.382	Ø .201 THRU
B1	.867	3.573	Ø .130 THRU
B2	1.614	2.266	Ø .130 THRU
C1	1.939	.312	Ø .250 THRU

ORIGINAL DATE (MO-DA-YR) 04-13-10		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWN BY R. ROSANO	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 06-30-10		SHEETMETAL	
CONTRACT No.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SIZE B	REV. N/C
CAGE CODE 07MZ6		DWG. NO. 647.9000	
SCALE NONE		SHEET 9 OF 9	